

FORESTRY EDUCATION AT UBC

By far the largest forestry school in Canada, and probably the largest in the Americas and Europe.

UBC Forestry has more international students than all other Canadian forestry schools combined.

Integrated school, covering all aspects of forests







THE FACULTY

Student body

• Undergraduate: 1238 (up from 454 in 2005)

• Graduate: 357

International: 40% undergraduate (9% in 2005) 57% graduate

Academic body

- 3 departments, 2 centre, 2 research forests
- ca. 110 professors & lecturers (~75 in 2018)
- 45 adjunct faculty members
- · ca. 80 admin, and research staff







Faculty structure

Departments

Forest Resources Management Forest and Conservation Sciences

Wood Science

Research Forests

Malcolm Knapp Alex Fraser Centre for Advanced Wood Processing Centre for Asian Forestry Research

Haida Gwaii Institute







Conservation

Bachelor of Science in Natural Resources Conservation

Global Major Science Major

Forestry

Bachelor of Science in Forestry

Forest Resources Management

Forest Operations

Minor in Commerce

Forest Sciences

Bachelor of Science in Forest Sciences

International Specialization

Urban Forestry

Bachelor of Urban Forestry

Minor in Urban Green-Space Management

Minor in Landscape and Recreation Planning

Wood Science

Bachelor of Science in Wood Products Processing

Minor in Commerce

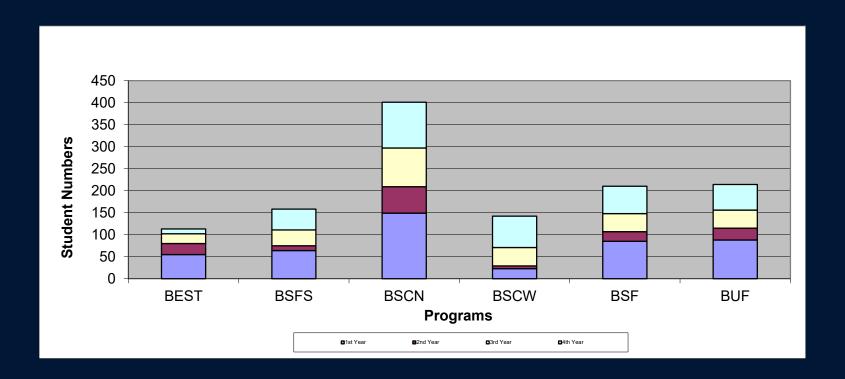
Bioeconomy

Bachelor of Bioeconomy Sciences and Technology

Starting in 2020



STUDENT NUMBERS BY PROGRAM





SIGNIFICANT CHANGES IN THE FIELD

Past Logging









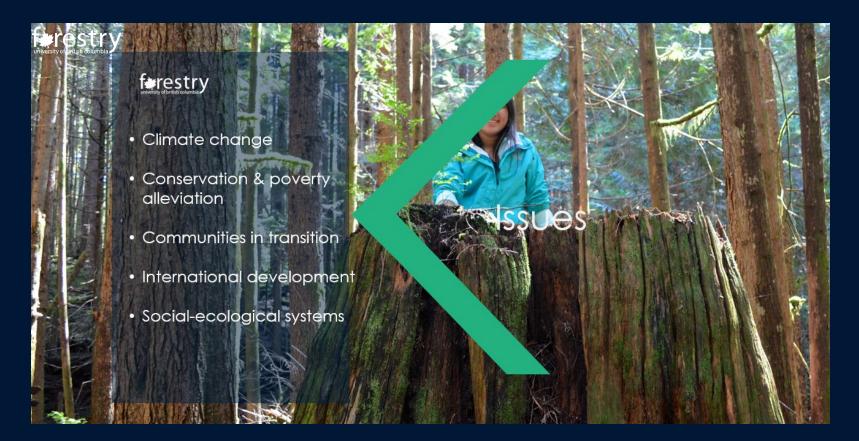


RECENT DEVELOPMENTS





RECENT DEVELOPMENTS





BACHELOR IN INDIGENOUS LAND STEWARDSHIP







FOCUS ON SKILLSETS OF THE FUTURE

Technology

Automation

Big data management

Computer engineering

Robotics

Photonics

Lidar

Virtual reality/Augmented reality

Machine learning

Operator training

Remote operation

Critical thinking

Team work





STAYING RELEVANT IN A CHANGING WORLD

- Courses facelift
- New Forest Operations course
- Expansion of field schools
- Engineering pathway
- Curriculum mapping and update
- Accreditation in Canada & USA





EXPERIENTIAL LEARNING







INNOVATION

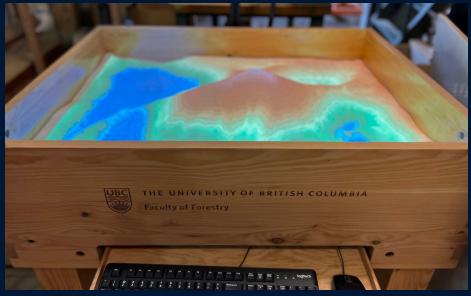






INNOVATION







INNOVATION







TRIMBLE TECHNOLOGY LAB









FIRST NATIONS AND COMMUNITY FOREST APPROACH





Photos: Kevin Bollefer

EXCITING RESEARCH







Photo: forestry.ubc.ca Photo: Kevin Bollefer



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